

## Key Features

- 16:9 Full HD 1080p Resolution Panel (1920x1080)
- Motionflow™ 120Hz technology
- High-efficiency HCFL backlight
- Dynamic contrast ratio: 100,000:1
- Conserve energy with Presence Sensor
- Energy-Saving power switch
- LightSensor™ technology
- Dynamic Backlight Control
- BRAVIA Engine™ 2 fully digital video processor
- BRAVIA® Sync™ capable<sup>1</sup>
- HD input x 7
- USB with photos and music
- BRAVIA® Link compatibility
- Favorites Menu function



## Key Technologies

**16:9 Full HD 1080p Resolution Panel (1920x1080)** 16:9 Full HD 1080p resolution panel (1920 x 1080) accepts any HDTV signal and renders it with optimum resolution, so you can take full advantage of Blu-ray Disc™ players and Sony® PlayStation® 3 entertainment systems that can deliver 1080p content (all sold separately).

**Motionflow™ 120Hz technology** Engineered for fast-action sports, movies, and games, Motionflow 120Hz technology reduces judder and blurriness. Overall, motion is smoother, sharper, and more natural when watching your favorite HD content, DVDs, and even broadcast movies and prime-time programming.

**High-efficiency HCFL backlight** The 46-inch diagonal VE5 HDTV features an HCFL (Hot Cathode Fluorescent Lamp) backlight, which uses specialized components to provide optimum brightness as soon as you turn on the HDTV and to reduce power consumption by up to 55% from Energy Star 3.0 requirements. In fact, the KDL-46E5 consumes only about 105 watts – as little as an incandescent light bulb.

**Dynamic contrast** Dynamic contrast involves real-time image processing that results in deep blacks in darker scenes, as well as fine details in shadows and other dark areas of the picture for a difference you can truly see.

**Conserve energy with Presence Sensor** The Presence Sensor helps you conserve energy when you forget to turn off the VE5 HDTV. If the Presence Sensor detects that you've been away from your HDTV for 5, 30, or 60 minutes, the backlight will automatically turn off, but the volume will remain on so you can still hear the sound. If you don't return after the display has been off for 30 minutes, the VE5 turns completely off.

**Energy-saving standby power switch** The new Energy Saving Switch, located on the side panel of the VE5, enables your HDTV to consume zero power when it's in standby mode, effectively eliminating the use of unnecessary power when you're not watching TV.

**LightSensor® technology** An integrated light sensor gauges the ambient light in the room and raises or lowers the brightness of the HDTV's backlight based on room lighting conditions. Dim the lights to watch a movie, and the light sensor also dims the backlight, reducing unnecessary power consumption even further.

# KDL-46VE5

# 46" BRAVIA® VE Series LCD TV

## Features

### General

Hotel Mode Menu: External module  
Closed Captions (CC): Analog, Digital  
On-Screen Display: Traditional  
Finish (Surface Color): Piano Black  
Demo Mode: Yes  
BRAVIA® Link Module support: DMX-DVD; DMX-WL1;  
DMX-SW1

### Display

Backlight Type: Eco Panel (HCFL)  
Display Device: LCD

### Video

Video Processing: BRAVIA Engine 2™ Technology  
CineMotion® Reverse 3:2 Pulldown Technology: Yes  
Game Mode: Yes  
Wide Mode: Full, Normal, Wide Zoom, Zoom, Full Pixel  
3D Comb Filter: Yes  
Auto Wide: Yes  
4:3 Default: Yes  
24p True Cinema™ Technology: Yes  
Picture Mode: Vivid, Standard, Cinema, Custom, Photo-  
Vivid, Photo-Standard, Photo-Original, Photo-Custom  
Advanced Contrast Enhancer (ACE): Yes  
Motionflow™ Technology: 120 Hz

### Audio

Digital Amplifier: Standard  
Auto SAP: Yes  
Auto Mute (on no signal): Yes  
Steady Sound® Automatic Volume Control: Yes  
Audio Out: Fixed  
Stereo System: MTS  
Dolby®: Dolby® Digital (for broadcasting)  
Alternate Audio (Digital): Yes  
SRS®: SRS® TruSurround XT®  
Sound Mode: Clear Voice, Dynamic, Custom, Standard

### Convenience

Channel Jump: Yes  
Favorite Channel: Yes  
Multiple Language Display: English, Spanish, French  
Info Banner: PSIP, XDS  
Sleep Timer: Yes  
Input Skip: Automatic  
Channel Surf: Yes  
Remote Control: RM-YD028  
Channel Block (with password): Yes  
Edit Channel Labels: Yes  
Label Inputs: Yes  
ID-1 Detection: Yes  
On/Off Timer: Yes  
USB Application(s): Photo Viewer (JPEG), Music Player  
(MP3)  
Theatre Mode (Theatre Button): Yes  
Show/Hide Channels: Yes  
Auto Shut-off: Yes  
BRAVIA® Sync™ : Yes  
Parental Control: Yes  
BRAVIA® Sync™ Menu Button: Yes (on Remote  
Control)  
Channel Labels: Yes  
Control for HDMI™ (HDMI™ CEC): Yes  
Auto Photo Mode: Yes (via USB)  
On-Screen Clock: Yes  
Picture Adjustments Lock: Yes  
White Balance: RGB Gain/Bias  
Start Up BRAVIA® Logo Display: Yes  
Favorites Menu: Graphic

### Display

Viewing Angle (Right/Left): 178 (89/89)  
Viewing Angle (Up/Down): 178 (89/89)  
On-screen Contrast Ratio: 4,500:1  
Dynamic Contrast Ratio: 100,000:1  
Screen Size (measured diagonally): 46"  
Native Resolution: 1920 x 1080  
Display Resolution: 1920 x 1080p (Full HD)  
Panel Bit: 8-bit  
Aspect Ratio: 16:9  
Color Range (u'v'): 90% of NTSC  
Color Range (xy): 72% of NTSC

### TV System

Tuner (Cable): Clear QAM  
Tuner (Terrestrial): ATSC™ / NTSC  
Channel Coverage: VHF: 2-13ch  
UHF: 14-69ch  
CATV (analog): 1-135ch  
CATV (digital) : 1-135ch  
TV System (Analog): M  
Number of Tuners (Digital): 1 (Hybrid)  
TV System (Digital): ATSC  
Color System: NTSC

### Video

Video Signal: 1080/60p (HDMI™ / COMPONENT), 1080/60i,  
1080/24p (HDMI™ ONLY), 720/60p, 480/60p, 480/60i

### Audio

Audio Power Output: 20W (10W X 2)  
Speakers (Total): 2  
Speaker Configuration: 2.0

### Inputs and Outputs

Component Video (Y/Pb/Pr ) Input(s): 2 (Rear) (1 fixed,  
1 selectable)  
Composite Video Input(s): 2 (1 Side, 1 Rear  
(selectable))  
Digital Audio Output(s): Optical Digital Output - 1 (Rear)  
RF Connection Input(s): 1 (Rear)  
S-Video Input(s): 1 (Side)  
Analog Audio Input(s) (Total): 5 (2 Side, 3 Rear)  
Audio Out: 1 (Rear)  
HDMI™ Connection(s) (Total): 4 (3 Side, 1 Rear)  
PC In (D-Sub) + Audio In (Stereo Mini): 1 (Side) see  
owner's manual for supported timings  
USB 2.0: 1 (Side)  
HDMI™ PC Input: Yes (see owner's manual for  
supported timings)  
S-Video Detection: Yes  
AC Power Input: 1 (Rear)  
Analog Audio Input(s) for HDMI™ : 1 (Rear)  
USB 1.1: 1 (Rear) (Service only)

### Power

Power Consumption (in Standby): 0.30 W  
Power Requirements (voltage): AC 120V  
Power Requirements (frequency): 60HZ  
Power Consumption (in Operation) max.: 160 W

### Regulation and Standard Compliance

VESA® Hole Spacing Compatible: Yes  
VESA® Hole Pitch: 300X300 M6/12-16MM

### Service and Warranty Information

Limited Warranty Term: 1 Year Labor / 1 Year Parts  
Online Instruction Manual (Reference Book): Yes

### Energy Saving & Efficiency

LightSensor™ Technology: Yes  
Power Saving Modes: Yes  
Energy Star® compliant: Exceeds Energy Star® Version 3.0  
Eco Settings: Yes  
Dynamic Backlight Control: Yes  
Backlight Off Mode: Yes  
PC Power Management: Yes  
Estimated Annual Energy Consumption (kWh): 193.71 kWh  
Power Consumption (On Mode) for Energy Star: 105W

Power Consumption (Standby Mode) for Energy Star:  
0.30 W

Energy Saving Switch: Yes  
Presence Sensor: Yes

### Recycled & Recyclable Materials

Packaging Materials: Recycled Carton (more than 40%)  
Printed Materials: FSC Certified

### Dimensions

Weight: 57.3 lbs. (26kg) with pedestal; 50.9 lbs. (23.1kg)  
without pedestal  
Measurements: 44 1/4 x 30 1/2 x 12 3/4 in (1123 x 772 x  
323mm) with pedestal; 44 1/4 x 28 5/8 x 4 1/4 in (1123 x  
725 x 107mm) without pedestal

### Supplied Accessories

Remote Control RM-YD028  
Batteries (Type AA x2)  
AC Power Cord (separate)  
Screws (4) for pedestal  
Operating Instructions  
Quick Setup Guide  
Warranty Card  
Table Top Stand (separate, pre-assembled)

### Optional Accessories

SU-WL500 Wallmount Bracket  
BRAVIA® DVD Link  
BRAVIA® Input Link  
BRAVIA® Wireless Link

UPC Code: 027242753242

1. Works with other BRAVIA® Sync™ or Theatre Sync™ labeled home audio/video products when connected via HDMI™.
2. Limited to resolutions supported by both the PC and the Sony TV. See Sony TV user's manual and PC documentation for supported resolutions.

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## Specifications

### General

Television Type: Flat Panel LCD HDTV